

Inferring Autonomous System Relationships in the Internet

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Outline

- Internet Architecture and Routing
- AS Relationships
- Heuristic Algorithms
- Experimental Results

AS Commercial Relationships

- Provider-customer:
 - customer pays its provider for transit services
- Peer-peer:
 - exchange traffic between customers
 - no money exchange
- Sibling-sibling:
 - have mutual transit agreement
 - merging ISPs, Internet connection backup